## **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

- (currently amended) A scanning device for radiographic media comprising:
- (a) a rotatable vacuum drum comprising an external surface, and wherein the drum rotates about a longitudinal axis;
  - (b) a radiographic media disposed on the external surface;
- (c) a moveable scan bar mounted on a first and second translation rod adjacent the drum;
- (d) at least a first scan module and a second scan module mounted on the moveable scan bar;
- (e) a translation drive connected to the moveable scan bar for moving the moveable scan bar perpendicular parallel to the longitudinal axis;
- (f) an analog to digital converter in communication with the scan modules for receiving scanned signals from the scan modules;
- (g) a control process unit for receiving scanned signals;
- (h) an output device for writing the received scanned signals onto diagnostic media.
- 2. (original) The device of claim 1, wherein the drum rotates between 100 and 1000 rpm around the longitudinal axis.
- 3. (original) The device of claim 1, wherein the radiographic media is a phosphor sheet.
- 4. (original) The device of claim 1, wherein the moveable scan bar is a rectangular metal structure mounted on the rods and adapted for quick translational movement along the scan bar.

- 5. (original) The device of claim 1, wherein each scan module comprises:
- (a) a housing comprising a channel; a cylindrical center chamber in communication with the channel comprising a mirrored surface; a first opening communicating with the cylindrical chamber; and a second opening communicating with the cylindrical chamber;
- (b) a laser is disposed in the housing and adapted to generate a beam of stimulating electromagnetic radiation through the channel and the first opening to stimulate an area of the photo-stimulatable radiographic media, and wherein the stimulated area emits light and reflected light to enter the first opening and the cylindrical chamber;
- (c) a light detector disposed in the second opening for receiving light emitted and reflected into the cylindrical chamber; and
- (d) a filter disposed at the second opening of the housing for selectively passing only the emitted light from the stimulated area of the photo-stimulatable radiographic media to the light detector.
- 6. (original) The device of claim 5, wherein the cylindrical center chamber is elliptical.
- 7. (original) The device of claim 5, wherein the radiographic media is a phosphor sheet.
- 8. (original) The device of claim 5, wherein the laser is a multimode, 635 nanometer, 100 mW, or a single mode 635 nanometer, 100 mW laser.
- 9. (original) The device of claim 5, wherein the filter is a blue filter.
- 10. (original) The device of claim 5, wherein the housing is a plastic, a polycarbonate, a composite, or a metal.

- 11. (original) The device of claim 5, wherein the housing is a molded one-piece construction.
- 12. (currently amended) The device of claim 5 A scanning device for radiographic media comprising:
- (a) a rotatable vacuum drum comprising an external surface, and wherein the drum rotates about a longitudinal axis;
  - (b) a radiographic media disposed on the external surface;
- (c) a moveable scan bar mounted on a first and second translation rod adjacent the drum;
- (d) at least a first scan module and a second scan module mounted on the moveable scan bar, each scan module comprises:
  - (1) a housing comprising a channel; a cylindrical center chamber in communication with the channel comprising a mirrored surface, wherein the mirrored surface is an elliptical reflector comprising an overall length between 15 mm and 30 mm and a degree of curvature of the resulting chamber between 20 degrees and 30 degrees; a first opening communicating with the cylindrical chamber; and a second opening communicating with the cylindrical chamber;
  - (2) a laser is disposed in the housing and adapted to generate a beam of stimulating electromagnetic radiation through the channel and the first opening to stimulate an area of the photo-stimulatable radiographic media, and wherein the stimulated area emits light and reflected light to enter the first opening and the cylindrical chamber;

    (3) a light detector disposed in the second opening for receiving light emitted and reflected into the cylindrical
  - (4) a filter disposed at the second opening of the housing for selectively passing only the emitted light from the stimulated area of the photo-stimulatable radiographic media to the light detector;

chamber; and

- (e) a translation drive connected to the moveable scan bar for moving the moveable scan bar parallel to the longitudinal axis;
- (f) an analog to digital converter in communication with the scan modules for receiving scanned signals from the scan modules;
  - (g) a control process unit for receiving scanned signals;

and

- (h) an output device for writing the received scanned signals onto diagnostic media.
- 13. (original) The device of claim 1, wherein the control process unit is a computer.
- 14. (original) The device of claim 1, wherein the output device is a film writer or display.

Claims 15-19 (cancelled)